

# AMENDMENTS TO THE SPECIFICATION

Please amend the specification by replacing the paragraph on page 6, lines 6-21, with the following new paragraph:

In step 180, the module 18 calculates, with the resolution of the subbands  $i$ , the frequency response  $H_{p,n,i}$  of the a priori denoising filter, according to:

$$H_{p,n,i} = \frac{S_{n,i} - \alpha'_{n-1,i} \hat{B}_{n-1,i}}{S_{n-\tau_2,i}}$$

where  $\tau_2$  is a positive or zero integer delay and  $\alpha'_{n,i}$  is a noise overestimation coefficient. This overestimation coefficient  $\alpha'_{n,i}$  may be dependent on or independent of the frame index  $n$  and/or the subband index  $i$ . In a preferred embodiment, it depends both on  $n$  and  $i$ , and it is determined as described in document WO99/14737. A first denoising is performed in step 181:  $\hat{E}_{p,n,i} = H_{p,n,i} \cdot S_{n,i}$ . In steps 182 to 184, the spectral components  $\hat{E}_{p1,n,i}$  are calculated according  $\hat{E}_{p1,n,i} = \max(\hat{E}_{p,n,i} : \beta_{1,i} \cdot \hat{B}_{n-1,i})$ , and in steps 182 185 to 184 187, the spectral components  $\hat{E}_{p2,n,i}$  are calculated according to  $\hat{E}_{p2,n,i} = \max(\hat{E}_{p,n,i} : \beta_{2,i} \cdot \hat{B}_{n-1,i})$

Please add the following Abstract after page 23 of the specification:

## ABSTRACT OF THE DISCLOSURE

The invention concerns a method for detecting voice activity in a digital speech signal, in at least a frequency band, for example by means of a detecting automaton whereof the status is controlled on the basis of an energy analysis of the signal. The control of said automaton, or more generally the determination of voice activity, comprises a comparison, in the frequency band, of two different versions of the speech signal one of which at least is a noise-corrected version.